

LIST OF UNITS

S/N	UNIT TITLE	UNIT CODE
<i>Y1S1</i>		
1.	Mathematics for Science	SMA 3110
2.	Discrete Mathematics	SMA 3111
3.	Calculus I	SMA 3112
4.	General Physics	SPS 3111
5.	Development Studies & Social Ethics	UCU 3101
6.	HIV/AIDS	UCU 3103
7.	Introduction to Computer Technology	CIT 3100
8.	Fundamentals of Computer Programming	CIT 3102
<i>Y1S2</i>		
1.	Calculus II	SMA 3152
2.	Probability & Statistics I	SMS 3151
3.	Electronics	SPS 3200
4.	Communication skills	UCU 3102
5.	Chemistry	SCS 3100
6.	Object Oriented Programming 1	CCA 3151
7.	Computer Organization and Architecture	CCA 3152
8.	Data Structures and Algorithms	CCA 3204
<i>Y2S1</i>		
1.	Object Oriented programming II	CCA 3200
2.	Operating Systems I	CCA 3226
3.	Internet Application Programming	CCA 3150
4.	Introduction to Economics	BEC 3100
5.	Calculus III	SMA 3200
6.	Linear Algebra I	SMA 3201
7.	Probability & Statistics II	SMS 3200
<i>Y2S2</i>		
1.	Algebraic structures	SMA 3251
2.	Vector Analysis	SMA 3250
3.	Data base Systems	CCA 3203
4.	Systems Analysis & Design	CCA 3153
1.	Number Theory	SMA 3212
2.	Principles of Management	BFB 3103
3.	Classical Mechanics	SMA 3252
4.	Probability & Statistics III	SMS 3250

<i>Y3S1(PURE OPTION)</i>			
1.		Financial Accounting 1	BFC 3125
2.		Scientific Computing	CCA 3310
3.		Operating Systems II	CCA 3311
4.		Complex Analysis I	SMA 3300
5.		Real Analysis I	SMA 3301
6.		Ordinary Differential Equation I	SMA 3302
<i>Y3S2 (PURE OPTION)</i>			
1.		Systems Programming	CCA 3250
2.		Data Communication & Networks	CCA 3202
3.		Computer Graphics	CCA 3351
4.		Group Theory I	SMA 3350
5.		Ring Theory	SMA 3353
6.		Real Analysis II	SMA 3351
1.		Numerical Analysis I	SMA 3303
2.		Operations Research	SMS 3350
<i>Y3S1 (APPLIED OPTION)</i>			
1.		Financial Accounting 1	BFC 3125
2.		Scientific Computing	CCA 3310
3.		Operating Systems II	CCA 3311
4.		Complex Analysis I	SMA 3300
5.		Real Analysis I	SMA 3301
6.		Ordinary Differential Equation I	SMA 3302
7.		Numerical Analysis 1	SMA 3303
<i>Y3S2 (APPLIED OPTION)</i>			
1.		Systems Programming	CCA 3250
2.		Data Communication & Networks	CCA 3202
3.		Computer Graphics	CCA 3351
4.		Analytical Applied Mathematics 1	SMA 3354
5.		Fluid Mechanics 1	SMA 3355
1.		Operations Research	SMS 3350
2.		Ordinary Differential Equations II	SMA 3352

<i>Y3S1 (STATISTICS OPTION)</i>			
1.		Financial Accounting 1	BFC 3125
2.		Scientific Computing	CCA 3310
3.		Operating Systems II	CCA 3311
4.		Complex Analysis I	SMA 3300
5.		Real Analysis I	SMA 3301
6.		Ordinary Differential Equation I	SMA 3302
<i>Y3S2 (STATISTICS OPTION)</i>			
1.		Systems Programming	CCA 3250
2.		Data Communication & Networks	CCA 3202
3.		Computer Graphics	CCA 3351
4.		Theory of estimation	SMS 3351
5.		Probability & statistics IV	SMS 3352
6.		Tests of Hypothesis	SMS 3353
1.		Numerical Analysis I	SMA 3303
2.		Operations Research	SMS 3350
<i>Y4S1 (PURE OPTION)</i>			
1.		Partial Differential Equations I	SMA 3400
2.		Entrepreneurship Skills	BBS 3451
3.		Multi Media Systems	CCA 3303
4.		Software Engineering	CCA 3205
5.		Functional Analysis	SMA 3401
6.		Topology I	SMA 3402
7.		Field Theory	SMA 3403
<i>Y4S2 (PURE OPTION)</i>			
1.		Artificial Intelligence	CCA 3350
2.		Emerging Technologies in computer Science	CCA 3451
3.		Measure & Integration	SMA 3450
4.		Complex Analysis II	SMA 3453
5.		Software Engineering	CCA 3205
<i>Elective</i>			
1.		Group Theory II	SMA 3454
2.		Topology II	SMA 3451
3.		Group Theory II	SMA 3452
4.		Linear Algebra II	SMA 3304
5.		Simulation and Modelling	SMS 3450
6.		Linear Algebra III	SMA 3455
7.		Project in Pure Mathematics (2 units)	SMA 3460
8.		Numerical Analysis II	SMA 3456
9.		Operations Research II	SMS 3451

10.		Computer Systems Project (2 units)	SMC 3460
<i>Y4S1 (APPLIED OPTION)</i>			
1.		Partial Differential Equations 1	SMA 3425
2.		Entrepreneurship Skills	BBS 3451
3.		Multi Media Systems	CCA 3303
4.		Software Engineering	CCA 3205
5.		Fluid Mechanics 11	SMA 3404
6.		Differential Geometry	SMA 3405
<i>APPLIED OPTION Y4S2</i>			
1.		Artificial Intelligence	CCA 3350
2.		Emerging Technologies in computer Science	CCA 3451
3.		Numerical Analysis II	SMA 3456
1.		Project in Applied Mathematics (2 units)	SMA 3461
2.		Simulation and Modelling	SMS 3450
3.		Operations Research II	SMS 3451
4.		Linear Algebra 11	SMA 3304
5.		Complex Analysis 11	SMA 3453
6.		Computer Systems Project (2 units)	SMC 3460
7.		Fluid Mechanics 111	SMA 3455
8.		Analytical Applied Mathematics 11	SMA 3456
<i>Y4S1 (STATISTICS OPTION)</i>			
1.		Partial Differential Equations 1	SMA 3425
2.		Entrepreneurship Skills	BBS 3451
3.		Multi Media Systems	CCA 3303
4.		Soft ware Engineering	CCA 3205
5.		Design and Analysis of Experiments	SMS 3400
6.		Regression Modelling	SMS 3401
<i>Y4S2 (STATISTICS OPTION)</i>			
1.		Artificial Intelligence	CCA 3350
2.		Emerging Technologies in computer Science	CCA 3451
3.		Time series Analysis	SMS 3451
4.		Design and Analysis of Sample Surveys	SMS 3452
1.		Stochastic Processes	SMS 3453
2.		Measure and Integration	SMA 3450
3.		Simulation and Modelling	SMS 3450

4.		Quality Control Methods	SMS 3402
5.		Linear Algebra II	SMA 3304
6.		Numerical Analysis II	SMA 3456
7.		Non - Parametric Methods	SMS 3454
8.		Measure and Probability	SMS 3455
9.		Multivariate Methods	SMS 3456
10.		Project in Statistics (2 units)	SMS 3462
11.		Operations Research II	SMS 3451
12.		Computer Systems Project (2 units)	SMC 3460